## NOVUS

### **NVSO IP Recorder**

### **NVSO 5-4U-II**



#### **KEY FEATURES**













- •Video and audio channels: 150
- •Recording speed up to 3750 fps at 1920 x 1080
- •Supports resolution up to 4000 x 3000
- Recorded stream size: 350 Mb/s in total from all cameras
- •Supports up to 3 monitors simultaneously
- •optional disk mounting: 5 x SATA 3,5"
- •Operating system: Microsoft Windows 10 Pro
- •Compatible with all NOVUS IP cameras

#### **DIMENSIONS**



#### **VIDEO**

120 channels at 1920x1080 (video+audio) using H.264 codec • 150	
120 channels at 1920x1080 (video+audio) using H.264 codec • 150 channels at 1920x1080 (video+audio) using H.265 codec	
4000x3000	
H.264, H.264+, H.265, H.265+, MJPEG	
Novus, Novus fisheye, ONVIF, ONVIF fisheye, RTSP, RTSP fisheye	
yes	
1 x HDMI 2.0b, 1 x Display Port 1.2, 1 x Dual link-DVI (up to 3 monitors simultaneously)	
3 x 4K UltraHD	
1 x Line in (3,5mm), 1 x Mic in(3,5mm)	
1 x Line (3,5mm), 1 x HDMI, 1 x Display Port	
Supports audio input/output build in cameras	
Recording up to: 120 main streams (while displaying: 8 sub streams)  • Display up to: 50 sub streams or 12 main streams (while recording: 50 main streams)  • Playback up to: 12 main streams (while recording: 50 main streams)	
Recording up to: 70 main streams (while displaying: 8 sub streams) • Display up to: 45 sub streams or 8 main streams (while recording: 45 main streams) • Playback up to: 8 main streams (while recording: 45 main streams)	
Recording up to: 60 main streams (while displaying: 8 sub streams) • Display up to: 45 sub streams or 6 main streams (while recording: 45 main streams) • Playback up to: 6 main streams (while recording: 45 main streams)	
Recording up to: 40 main streams (while displaying: 8 sub streams) • Display up to: 40 sub streams or 4 main streams (while recording: 40 main streams) • Playback up to: 4 main streams (while recording: 40 main streams)	
Recording up to: 35 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 4 main streams (while recording: 35 main streams) • Playback up to: 4 main streams (while recording: 35 main streams)	
Recording up to: 150 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 8 main streams (while recording: 30 main streams) • Playback up to: 8 main streams (while recording: 30 main streams)	





# NVSO IP Recorder NVSO 5-4U-II

4MPX IP Camera	Recording up to: 100 main streams (while displaying: 8 sub streams) • Display up to: 30 sub streams or 4 main streams (while recording: 30 main streams) • Playback up to: 4 main streams (while recording: 30 main streams)
5MPX IP Camera	Recording up to: 80 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 4 main streams (while recording: 35 main streams) • Playback up to: 4 main streams (while recording: 35 main streams)
8MPX IP Camera	Recording up to: 75 main streams (while displaying: 8 sub streams) • Display up to: 35 sub streams or 2 main streams (while recording: 35 main streams) • Playback up to: 2 main streams (while recording: 35 main streams)
12MPX IP Camera	Recording up to: 56 main streams (while displaying: 8 sub streams) • Display up to: 20 sub streams or 2 main streams (while recording: 20 main streams) • Playback up to: 2 main streams (while recording: 20 main streams)
RECORDING	
Recording Mode	Continuous, Schedule, Panic, Triggered: manually, by alaram input, motion detection, video analysis, POS, temerature alarm
Schedule	individual settings for: each camera, each day of the week, specific days (holidays etc.), configuration with an accuracy of: 15 min, possibility of combining individual recording modes
Prealarm/Postalarm	Up to: 30s / Up to: 600s
PLAYBACK	
Recorded Data Search	By Date/Time, Events, "Text-in"
BACKUP	
Backup Methods	USB port (HDD lor Flash drive), Network
Backup File Format	JPEG, BMP, AVI, NMS
HDD	
Internal storage for system	1 x HDD 3.5" SATA
Internal Storage for Recording	5 available bays for 3,5" HDD surveillance grade storage media
ALARMS	
Alarm Input/output in cameras	support of alarm input and output built in cameras
Motion detection	support of motion detection built in cameras
Video Analytics	supported built in analytics in camera
Temperature alarm	support of temperature alarm built in cameras
Licence plate recognition (LPR)	support of selected image analysis functions available in the camera
System Reactions to Alarm Events	e-mail, Screen Message, Recording Activation, PTZ
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NETWORK	1. File and DMF interfered 10/100/1000 Militra
Network Interface	1 x Ethernet - RJ45 interface, 10/100/1000 Mbit/s
Network Throughput	up to 350Mbit/s from all cameras • up to 350Mbit/s to all client stations • Max network throughput: 350Mbit/s for each network card
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, SAMBA
Compatible Mobile Applications	NMS Mobile
PTZ	
PTZ Functions	pan, tilt, zoom, preset commands, patterns, tours, auto-scans, focus, iris







# NVSO IP Recorder NVSO 5-4U-II

	RFACES

USB Ports	6 x USB 3.0,	
OPERATING SYSTEM		
Operating System	Microsoft Windows 10 Pro	
Recording and Surveillance System	NMS (Novus Management System)	
Additional Software	Internet Explorer	
Operation Mode	Pentaplex	
OSD	Polish, English, Russian, others	
Control	PC mouse and keyboard (in-set included), DCZ keyboard	
System Diagnostic	automatic control of: HDDs, Temperature, Fan, Network, Camera connection loss	
Security	Password protection, IP filtering, MAC filtering, Limiting the number of connections	
INTEGRATION		
Integrated Devices	Novus IP Cameras, Novus IP Recorders, Novus AHD Recorders, NMS- ANPR Software, DSC Systems, POS Systems (Posnet, Upos and other) ONVIF Devices, RTSP Devices	
INSTALLATION PARAMETERS		
Dimensions (mm)	427 (W) x 177 (H) x 450 (D)	
Weight	20 kg (without HDDs for recording)	
Power Supply	built in 700W, with 230VAC input	
Power consumption/heatprint	260W/210W (without HDD for recording)	
Operating Temperature	5°C ~ 35°C	
RACK Mount 19"	4U	

#### Attention:

To support more than 1 RTSP stream and 1 ONVIF stream you will need special licence key. From serial number: XX 2417 4170, devices have Microsoft Windows 10 Pro operating system. Performance specifications described in the above are valid from serial WA 2519 5776

